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|--------|---------|----------------------------------|--------|
| 809486 | 1       | <a href="#">Feb 2 1996 1:09</a>  | Live   |
| 809486 | 1       | <a href="#">May 20 1995 2:17</a> | Dead   |

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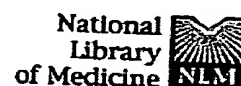
## Revision history for "Q13158"

| GI      | Version | Update Date                       | Status |
|---------|---------|-----------------------------------|--------|
| 2498355 | N/A     | <a href="#">Oct 1 2002 9:49</a>   | Live   |
| 2498355 | N/A     | <a href="#">Apr 1 2002 17:54</a>  | Dead   |
| 2498355 | N/A     | <a href="#">Jun 25 2001 15:20</a> | Dead   |
| 2498355 | N/A     | <a href="#">Apr 16 2001 14:46</a> | Dead   |
| 2498355 | N/A     | <a href="#">Feb 1 2001 12:01</a>  | Dead   |
| 2498355 | N/A     | <a href="#">Nov 1 1999 13:03</a>  | Dead   |
| 2498355 | N/A     | <a href="#">Jul 21 1998 5:35</a>  | Dead   |
| 2498355 | N/A     | <a href="#">Jun 4 1998 4:24</a>   | Dead   |
| 2498355 | N/A     | <a href="#">Feb 5 1998 14:29</a>  | Dead   |
| 2498355 | N/A     | <a href="#">Oct 8 1997 19:11</a>  | Dead   |

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☐ 1: Cell 1995 May 19;81(4):505-12

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## FADD, a novel death domain-containing protein, interacts with the death domain of Fas and initiates apoptosis.

Chinnaiyan AM, O'Rourke K, Tewari M, Dixit VM.

Department of Pathology, University of Michigan Medical School, Ann Arbor 48109, USA.

Using the cytoplasmic domain of Fas in the yeast two-hybrid system, we have identified a novel interacting protein, FADD, which binds Fas and Fas-FD5, a mutant of Fas possessing enhanced killing activity, but not the functionally inactive mutants Fas-LPR and Fas-FD8. FADD contains a death domain homologous to the death domains of Fas and TNFR-1. A point mutation in FADD, analogous to the lpr mutation of Fas, abolishes its ability to bind Fas, suggesting a death domain to death domain interaction. Overexpression of FADD in MCF7 and BJAB cells induces apoptosis, which, like Fas-induced apoptosis, is blocked by CrmA, a specific inhibitor of the interleukin-1 beta-converting enzyme. These findings suggest that FADD may play an important role in the proximal signal transduction of Fas.

### MeSH Terms:

- Amino Acid Sequence
- Antigens, CD95
- Antigens, Surface/metabolism\*
- Antigens, Surface/genetics
- Apoptosis\*
- Base Sequence
- Binding Sites/genetics
- Carrier Proteins/metabolism
- Carrier Proteins/isolation & purification\*
- Carrier Proteins/genetics
- Cell Line
- Cloning, Molecular
- Human
- Molecular Sequence Data
- Point Mutation

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- Saccharomyces cerevisiae
- Serpins/pharmacology
- Signal Transduction
- Support, Non-U.S. Gov't

Substances:

- interleukin-1beta-converting enzyme inhibitor
- Serpins
- MORT1 protein
- Carrier Proteins
- Antigens, Surface
- Antigens, CD95

Secondary source id:

- GENBANK/U24231

PMID: 7538907 [PubMed - indexed for MEDLINE]

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Feb 19 2003 14:38:17